

11-22-1932

The Tech News Volume 24, Issue 8, November 22 1932

The Students of Worcester Polytechnic Institute

Follow this and additional works at: <http://digitalcommons.wpi.edu/technews>

Recommended Citation

The Students of Worcester Polytechnic Institute, "The Tech News Volume 24, Issue 8, November 22 1932" (1932). *Tech News All Issues*. Book 258.
<http://digitalcommons.wpi.edu/technews/258>

This Article is brought to you for free and open access by the WPI Student Publications at DigitalCommons@WPI. It has been accepted for inclusion in Tech News All Issues by an authorized administrator of DigitalCommons@WPI.



MAJOR SCHILLING IS SPEAKER AT SECOND OF FULLER ASSEMBLIES

German Officer's Subject, "German College Boys in the World War," is Very Fitting and is Enjoyed by a Large Number of Students

MUSICAL SELECTIONS, BY TECH BAND AND GLEE CLUB, ARE WELL RECEIVED

The second Fuller Lecture of the year was held last Wednesday morning in the Alumni Gymnasium, with Harold Hammer, President of the Senior Class, presiding. Major Falko W. Schilling was the speaker of the morning. The program opened with the singing of "America" by the entire assembly. The chairman then introduced Wright Manvel, President of the local chapter of Tau Beta Pi, the national honorary engineering society. Mr. Manvel gave a brief resume of the history and purpose of the society, pointing out that although high scholarship was the prime requisite, it was not the only one, and that only those high scholars who had also proved themselves outstanding in activities here on the Hill were chosen for membership. He then named as pledges the following men: Everett Sellev and Gordon Whitcomb, of the class of '34; William Anderson, Joseph Fogg, Kenneth Gleason, Harold Hammer, Leighton Jackson, Sumner Sweetser, John Shabeck, and Jerry Vail, all of the class of '33.

The pledging ceremony was followed by a selection from the Glee Club. Professor J. W. Howe of the Civil Engineering Department then introduced the

(Continued on Page 5 Col. 3)

LARGE NUMBER ATTEND A. S. M. E.

Mr. Payne, Inventor of Machine Gun, Gives Interesting Talk

The meeting was opened by T. H. Bernard who announced that the new system of membership which has been inaugurated this year has been a great success. He commended the membership committee on the fine work it has done in signing up sixty members. The floor was then turned over to the speaker of the evening, Mr. Payne.

Mr. Payne first told of the history of guns. He says that man's nature is essentially one of jealousy and emotions. This tendency varies but it is always necessary to have some way of subduing this nature. That is why we have police and armies. He said that protection is legitimate because even Christ armed himself when He went into the temple in Jerusalem to drive out the merchants. Another reason for having guns is that we must have an advantage over the "outdoor man," that is, the inhabitants of Africa and such people who can endure the weather more than ourselves.

The first principle of ballistics was discovered when man first saw that he

(Continued on Page 2 Col. 3)

CAPT. HEBEL STARS AS SOPHS WIN OVER FRESHMAN SOCCER BOOOTERS

Brand, Borden and Erickson Carry Brunt of Frosh Attack While Merriam, Luce and Wilson Play Well for '35

Handicapped by a very wet and slippery Alumni Field, the Sophomores and freshmen battled with a muddy soccer ball until the freshmen were finally given defeat by a score of 2-1. The Sophomores, by this victory raised their point total towards the Goat's Head and avenged the tie game to which their classmates on the football team were held. The teams were very evenly matched and it was only in the final minutes of play that the second-year men found it possible to place the ball through the frosh goal and break the tie with which the game was threatening to end.

Captain Hebel was the main cog in the sophomore machine, standing out in the defense while the offense was aided materially by the work of Wilson, Merriam, and Luce. For the first year men, Erickson was strong on the defense while he, as well as Borden, Brand, and Dahlstrom turned in a fine offensive game.

The playing of both teams was greatly hampered by the rain, which started to fall just as the game started and continued in more or less of a down-pour throughout the afternoon.

This trick of fate robbed the varsity men who were playing, some of their acquired skill, for it was impossible to maneuver surely on the slippery muddy surface.

Injuries were here as well as in the grid contest, the Sophomore leader, Hebel, emerging with a broken front tooth and several other men suffering less severe bruises.

The two lower classes will have a short rest for soon the interclass swimming meet will engage their attention in the Goat's Head competition.

The soccer lineup:

SOPHOMORES Porter, Potter or G. Sherwin
Erich il ir Harrington, Sherwin
Wilson cf cf Borden
Quenville ir il Brand
Throll or ol Dahlstrom, Holt
Merriam lh lh Fowler, Hannah
Luce ch rh Wilson, Leech
Humphrey, MacMillan rh - ch Erickson
Hebel lfb rfb Gurnham
Sukaskas rfb lfb Osborne
McKay g g Sandquist, Harris
Goals by Hebel, Wilson, Brand.
Referee, E. Higginbottom.

CALENDAR

TUES. NOV. 22—
9:50 A. M.—Chapel Service.
Rev. M. L. Cornell.
4:00 P. M.—Basketball Practice, Gymnasium.
4:00 P. M.—Orchestra Rehearsal, Gymnasium.
4:15 P. M.—Radio Code Class. E. E. Bldg.

WED. NOV. 23—
9:50 A. M.—Chapel Service.
Rev. M. L. Cornell.

THURS. NOV. 24—
Thanksgiving Recess starts.

MON. NOV. 28—
9:50 A. M.—Chapel Service.
President Ralph Earle.
4:00 P. M.—Basketball practice, Gymnasium.
4:00 P. M.—Tech News assignments. Boynton 19.
4:30 P. M.—Glee club rehearsal, Gymnasium.
4:00-6:00 P. M.—Pres. and Mrs. Earle at home. The President's quarters.

TUES. NOV. 29—
9:50 A. M.—Chapel Service.
4:30 P. M.—Orchestra rehearsal, Gymnasium.

WED. NOV. 30—
9:50 A. M.—Chapel Service.
4:30 P. M.—Band rehearsal, Gymnasium.

THURS. DEC. 1—
7:00 A. M.—Rush Week Starts.
9:50 A. M.—Chapel Service.
4:30 P. M.—Glee club rehearsal, Gymnasium.

FRI. DEC. 2—
9:50 A. M.—Chapel Service.
4:30 P. M.—Interfraternity relay:
L. X. A. vs. T. U. O.
P. G. D. vs. A. T. O.
T. X. vs. P. S. K.
S. O. P. vs. S. A. E.

MON. DEC. 5—
9:50 A. M.—Chapel Service.
4:00 P. M.—Tech News assignments. Boynton 19.
4:30 P. M.—Glee club rehearsal, Gymnasium.
4:30 P. M.—Interfraternity Relay:
S. A. E. vs. Friars
S. O. P. vs. T. X.
P. G. D. vs. P. S. K.
L. X. A. vs. A. T. O.

PHYSICS DEPT. NOTES

Members of the Department and students in the department have started research work that will probably continue throughout the year.

Dr. Plimpton and Mr. Lawton are continuing their elaborate test of the accuracy of the inverse-square law for the attraction between charges of electricity. They are doing the thing so thoroughly that they are trying to measure currents of one millionth of one billionth of an ampere.

NOTICE

Due to the holiday, there will be no issue of the TECH NEWS Next week.

BASKETBALL CANDIDATES REPORT TO COACH FOR INITIAL WORKOUT

Capt. Gartrell and Hammer Are Only Letter Men Available—All Positions Will be Open for New Men

LYMAN, MOLLOY TAPPED FOR SKULL

Active Seniors are Given Highest Campus Honor

Last week the brightest honor available to undergraduates was conferred on George W. Lyman and John J. Molloy, Jr., both members of the senior class, when they were tapped for Skull, the senior honorary society. Both men have been extremely active in both school and class activities during their four years on the Hill.

Lyman has been a regular member of the varsity track, soccer, and second basketball teams, and is captain of this year's track squad where he excels in the hurdle events. He is also vice-president of his class and a member of Tau Beta Pi. His fraternity is Lambda Chi Alpha.

"Johnny" Molloy has starred at end for the football team for four seasons and is first string catcher on the baseball team. He served as an assistant manager of basketball, vice-president of his class, and is a member of Alpha Tau Omega fraternity.

LAST YEAR'S SECOND TEAM WILL PROBABLY BE USED TO FILL GAPS LEFT BY '32 MEN

Basketball activities on the Hill started yesterday when a host of court performers reported to Coach Pete Bigler for their initial workout. Newcomers were in abundance at the session with the veterans expected to put in an appearance within the next few days.

With four regulars lost from last year's crack outfit, the Crimson and Grey hopes for another top-notch quintet must rely of necessity on the newcomers and on the development of last year's reserves. The present sophomore class supplied little in the line of capable hoopsters last winter, but hopes are being held out for much better yearling material this season.

The outfit which represented W. P. I. a year ago and gained 7 wins in 13 contests, has been just about wrecked by graduation and ineligibility due to the four-year rule. To make matters worse, Johnny Smith, flashy center and intercollegiate high scorer of this city for the past two seasons, has not returned to college this fall.

Blond Bill Asp, who has always been the main cog of the Engineer defense

(Continued on Page 3 Col. 2)

LOWER CLASSES BATTLE EVENLY ON RAIN-SOAKED GRIDIRON

Inclement Weather Conditions Make Fast Playing Impossible—Beaulieu is Again Injured

Tech's annual Freshman-Sophomore football game was played Saturday afternoon on a rain soaked and muddy Alumni Field, ending in a scoreless deadlock. Neither team seemed able to break through consistently and the game soon developed into a kicking duel between Gould of the Freshmen and Booth of the Sophomores. A drizzling rain fell during the entire game so that conditions were nearly unendurable for both spectators and players. However, the end of the game saw the sidelines lined with many loyal rooters of both teams. Referee Andy Wilkinson spent a great deal of his time in wiping off the ball.

The Freshman team were thought to have a slight advantage in that their backfield was composed entirely of men who had seen quite a little bit of varsity experience. However the husky line of the Sophomore team offset any advantage so that two fairly evenly matched teams were playing against each other. The weather made it impossible for either team to use many fast or deceptive plays. Even passes were nearly forgotten and both teams got right down to the business of either straight line bucks or off-tackle slants.

The first period saw the Sophomores kicking off to the Freshmen who re-

turned the ball to their own thirty-yard line. The first play was an attempted forward which fell short of its mark. The Freshmen then punted to the Sophomores who fumbled the ball on the first play on their own seventeen yard line. When the Freshmen could not gain through the strong Sophomore line, Bob Gould, Freshman quarterback, dropped back for an attempt at a dropkick which went wide of the goal posts. The Sophomores then kicked the ball into Freshman territory where it remained until the next period. In the second period the Sophomores threatened the Freshman goal line when Beaulieu made a pretty end run and Donahue snared a short pass but here the half ended.

The second half of the game could not produce any better results than the first and again it was a struggle of two lines against each other. After five minutes of play in the third quarter little George Beaulieu, Sophomore half-back was carried off the field with a very painful injury of a pulled muscle in his ankle. That was the second time that Beaulieu has been injured in a class game, the other time was when he broke his ankle in last year's football game. There were two exchanges of punts in this quarter and neither

(Continued on Page 6 Col. 3)

SOCIAL CLUB TO SPONSOR DANCES

John Greene, '32, is Directing Activities This Year

Of especial interest to Tech students is the charity Tea Dance and Fashion Revue to be staged this Friday afternoon from two until six in the new Ewell Hall at 34 Elm Street.

This will be the first of the series of such affairs to benefit the poor at Christmas time. Christmas baskets will be donated from the proceeds of the dances.

Each fellow will come "stag" and likewise the girls so that if you wish to meet some of the girls in the city, here is your opportunity. The girls will all be on the lookout for the men.

Dancing will start at two o'clock and continue until six with only a short time taken for the Gross-Strauss Co. to present their Fashion Revue and it surely will not be boring, even to the fellows. Local girls will be the models for the affair and they promise to show some of the season's smartest creations which even the fellows will have to admit are good. If you are embarrassed, you can always go out and have a smoke.

The Music Weavers who have always been so popular on the Hill for some of the nicest dances will furnish the dance rhythm for the affair.

Many of the young people home from college as well as the younger set of the city will be in attendance and a large crowd is expected to witness the first of a series of tea dances which should prove very popular.

Each week a different store will present their show so that you will receive a variety of creations. The dance is open to anyone and Tech students are cordially invited.

During the afternoon tea will be served the young people attending.

John W. Greene, class of '32, is general chairman for the event and according to the past dances that he has had anything to do with, this affair will prove wholly successful both in popularity and in attendance.

But if you are worrying about the price, let all your fears be calmed because we have set a price whereby anyone may attend. Only twenty-five cents admits you to the four hours with dancing and a fashion revue included and some tea. If you wish to do your part to help some poor family, at least you will be doing it by attending this affair.

Hostesses are the Misses Dorothy Churchill, Evelyn Cox, Elinore Hale, Laura Soulliere, Gertrude Healy, Gladys Nielson, and Charlotte Bavis. Introductions will be made by the above if you desire or you may make your own introduction. An informal note will be carried out throughout the afternoon.

Reserve Friday afternoon, November twenty-fifth, for one of the best times you have ever had. A holiday season when everyone is looking for something to do, always proves popular. Your assistance with this first dance warrants more of the same, so we expect to see you there.

There are no tickets and admittance may be gained by presenting yourself at two o'clock, Friday afternoon.

The Worcester Social Club will also present a "Depression Dance" on Friday evening, Dec. 2nd, in the new Ewell Ballroom at 34 Elm Street.

In accordance with the name, the dance orders will be carried out in a novel effect and are sure to please everyone. This affair should prove as successful as the last, the Armistice Ball, when more than two hundred were in attendance. This affair is being conducted in this manner, that is, the informal note, from the request of our Social Club members.

Again the price of the subscriptions is "dirt cheap." Only \$1.10 will procure your ticket and if a ticket is secured before the dance, a ten-cent deposit

suffices until the night of the dance.

Local girls and fellows comprise the Social Club Board. Misses Dorothy McCarthy, Betty Oakes, Charlotte Bavis, Elinore Hale, Laura Soulliere, Gladys Nielson, Evelyn Cox, Gretchen Thomson, Richard Munson, Lester Ashley, Lincoln Flagg, Irwin Peterson comprise the fellows. John W. Greene, class of '32 is director of the club. If you desire a ticket, inquire at the Dorm store or leave a note for John Greene.

BASKETBALL PRACTICE

(Continued from Page 1 Col. 5)

as well as having a fine eye for the hoop from long distances, received his sheepskin last June. The other half of Tech's famed backcourt combination, Bill Cullen, has already seen four years of service on the court and his loss will be keenly felt. Coach Bigler, who is usually silent on matters pertaining to the capabilities of his athletes, once remarked that Asp and Cullen made up the finest team of guards in the East.

Russ Purrington, last year's leader, is now a senior but he too has played under Coach Bigler for four years and so his playing days for Tech are over. These losses leave the Boynton Hill prospects in a very uncertain state.

Capt. Irv Gartrell and Johnny Noreika are the two leather pushers around whom Tech's popular sports mentor must mold his 1932-1933 quintet. Gartrell is a forward while Noreika held down a guard role during the latter half of last year's campaign.

From the first team reserve ranks there are available Mike Skwarek and George Hodgkinson, centers; Sonny Norton and Tack Hammer, forwards, together with Tom Decker, another pivot man, and Jack Henrickson and George Lyman, forecourt players of the Tech Jayvees. Graduation took away Jimmy Leach, a reserve guard of the varisty five.

Hammer appeared in a few tilts at the start of last year's schedule but soon dropped out of college for a time due to illness. His return will ease the forward situation considerably. Swarek seems destined to land Johnny Smith's old post.

Reserves are plentiful but whether they have developed sufficiently for first-string duty is a question which will not be answered for two or three weeks. It is possible that the limiting of the freshmen class to 150 has cut down the number of promising athletes. The football eleven was favored by the

acquisition of several fine performers but this may not hold true for the basketball squad.

Prof. Percy R. Carpenter, head of the Physical Education department has arranged an attractive 16-game schedule for the Crimson and Grey. Of this number, 7 will be played in Alumni Gymnasium. The newcomers to the schedule are Conn. Aggies, Upsala and Northeastern, returning after a lapse of a year. Clark is on the card once again with the customary two tilts.

The outstanding home games are expected to develop with Boston University, Springfield, Upsala and Providence Colleges. A few of the old-timers may recall the thriller between Tech and Upsala in 1928 with the Biglermen winning out in the last second. The B. U. game last year was another scorcher with Tech as the ultimate winner. While both Springfield and Providence set back the Boynton Hillers by one-sided scores last year, these meetings are annually full of real basketball.

The complete schedule follows:

Dec. 17, Boston U., here; 20, U. S. Coast Guard Acad. at New London, Conn.; Jan. 14, Trinity, here; 19, Northeastern at Boston; 21, Brown at Providence, R. I.; 24, New Hampshire State

at Durham, N. H.; 28, Tufts, here; Feb. 11, Springfield, here; 15, Conn. Aggies at Storrs, Conn.; 18, Clark at Alumni Gymnasium; 21, Wesleyan at Middletown; 22, Upsala, here; 25, Clark at South High; 28, Mass. State at Amherst; Mar. 4, Providence, here; 7, Rhode Island State at Kingston, R. I.

Established 1821 Incorporated 1918

Elwood Adams, Inc.

154-156 Main Street
WORCESTER, MASS.

**Hardware, Tools and Paint
Lighting Fixtures and Fire
Place Furnishings**

QUALITY LUNCH

129 Main St.

**EXTRA GOOD FOOD
AT REASONABLE PRICES**



Chesterfields are Milder —

Chesterfields Taste Better



As smokers become more experienced, they demand milder cigarettes. *Chesterfields are milder.* Their mildness is just as much a feature as the beauty of their package.

The tobaccos are mild to begin with. Patient ageing and curing make them milder still. And Chesterfields contain just the right amount of Turkish—not too much—carefully blended and *cross-blended* with ripe, sweet Domestic tobaccos.

Chesterfields are milder. They taste better. That's why "They Satisfy."

OH TESH!

Sigma Beta, the only international fraternity on the campus, has officially announced that it will defer all pledging until after mid-year examinations. Rushing will begin almost immediately after the second month's marks are released.

In view of the deferred pledging a few facts concerning the fraternity will be given here in order that the freshmen may carefully consider joining this organization.

The honorary society of Sigma Beta (Screwed-Backs) has, as every college man knows, chapters operating in every college in the world, and is the oldest college fraternity bearing faculty recognition and having their active support. It is not known who the founders or charter members were, as all early records have been lost, but it is known that the organization was sponsored, and aided and abetted by certain faculty members of the earliest colleges. One of the fraternity's proudest boasts is that no chapters have ever become inactive and that it has never had any chapters acting "sub rosa." In fact, before a man may become a member, he must be considered by certain members of the faculty of his college. However, here the close cooperation between faculty and members ceases, for although originally sponsored by teachers and even now having this professional supervision of eligibility, it is somewhat paradoxical that the fraternity should have slipped so far away from close association with the faculty. That is, although the Rushing Committee consists largely of faculty men, once a candidate is pledged and initiated his favorable relation with them seem to cease, contact coming only when he takes succeeding degrees under faculty supervision.

There are no officers, national or local, or any international workings to interfere with the workings, yet their semi-annual Rushing Season which oddly enough follows the well-known "Hell Week" for candidates, nets the fraternity the largest delegation of any college organization.

And here is another paradox: relatively high dues are extorted from outside, semi-annually or even quarterly, by professors and instructors under the name of that delightfully awe-inspiring old Kentish word "tooteringfeez." So strong is its administration that college chapters are invariably founded within nine months of the founding of the college itself. The first members at Tech were of the Class of 1872, and the number of undergraduates active has increased proportionally with the college enrollment since then.

* * * * *

The Freshman-Sophomore football classic was a huge success. After paddling around in the mud on Alumni field for four long, very wet, periods, the score was duck egg to duck egg and bruises all 'round. However, the Freshmen finally won by a wrenched back, a wrenched knee and a broken tooth.

* * * * *

We just couldn't resist the temptation to pass along to our gentle readers this model of concise news reporting appearing in the Bowdoin "Orient." "Sophs and yaggers (town boys) are at war. Enmity strong. Eggs flying. Smell strong."

* * * * *

We have just received word of another engineering feat performed by a Tech man, this time an undergraduate. It seems that his car skidded into a tree in East Overshoe and bent the frame. He was able to drive it back to his fraternity house where repair operations were at once begun. In about a month, he had the chassis stripped down and had located a second-hand frame in a Shrewsbury junk yard. The frame was transported to Worcester with much difficulty and then it was discovered that it was one foot too long. Wouldn't you know he was an E. E.?

A. S. M. E. MEETING

(Continued from Page 2 Col. 3)

by B. Schwartz. The development of firearms has been very slow, shown by the fact that guns are not mentioned again until 1338. In the fifteenth century a bronze cannon was cast at Leads, Belgium. It was a breech loader and was finished with many fine engravings.

After this brief history of the discovery of the various principles of machine guns, Mr. Payne explained the operation of several types of guns. The first type is the manual gun which was operated by hand. The barrels and breechblocks of the gun were arranged in rotary fashion and, as the apparatus was rotated, the cartridges were fed

into the gun from a magazine above it and fired at the bottom. This was the gattling gun. The next type was the recoil gun. In this type a single barrel and breech block are mounted on springs. As the gun is fired the barrel goes forward and lets the shell out, reloads, and then comes back into position, ready for firing again. In the gas gun the reloading is accomplished by a mechanism which is operated by the pressure of residual gases in the barrel of the gun. The blow back type of gun is the safest gun made today because the reloading is not dependent on mechanical devices. The primer type of gun depends upon having the shell of the cartridge made of a soft brass.

The last type is that which operates on the Blish principle. This is the type

which Mr. Payne followed in inventing his machine gun. This principle is quite involved and has never been satisfactorily explained although a great deal of money has been spent in experimenting on it.

Mr. Payne then told of his career and how he happened to invent a machine gun. Before the war he was working in the Patent Office in Washington where he handled all patents on German guns. At the outbreak of the war this job had very little work connected with it so he applied for a position in the Ordnance department. He was asked to go to Detroit for the Auto Ordnance Corporation. There he was asked to design a machine gun which would be light enough for one man to carry and operate, would take standard army ammunition, and would be based on the Blish principle. He

succeeded in filling all of these requirements so that 15,000 guns of this type were ready to be sent across when the Armistice was signed.

The gun he built is absolutely fool-proof. It may be taken apart in five seconds and assembled in nearly the same time. Everything is made so that it will fit in only one way. It will work under any conditions.

This is the kind of gun which is used by the gangsters in Chicago and New York. The gangsters get them by killing guards and officers who are equipped with them.

After his lecture Mr. Payne answered many questions and talked informally with the members.

The next meeting of the A. S. M. E. will be held December 16, when a motion picture of the development of the gasoline motor will be shown.



"Nature in the Raw is seldom MILD"

THE PILGRIM'S FIRST WINTER

"Nature in the Raw"—as portrayed by Herbert Roese, celebrated painter... inspired by the bitter hardships endured by America's first settlers in their conflict with raw, wild nature (1620). "Nature in the Raw is Seldom Mild"—and raw tobaccos have no place in cigarettes.

No raw tobaccos in Luckies —that's why they're so mild



WE buy the finest, the very finest tobaccos in all the world—but that does not explain why folks everywhere regard Lucky Strike as the mildest cigarette. The fact is, we never overlook the truth that "Nature in the Raw is Seldom Mild"—so these fine tobaccos, after proper

aging and mellowing, are then given the benefit of that Lucky Strike purifying process, described by the words—"It's toasted". That's why folks in every city, town and hamlet say that Luckies are such mild cigarettes.

"It's toasted"
That package of mild Luckies

Copyright, 1932,
The American
Tobacco Co.



PHI GAMMA DELTA

Founded at
Washington Jefferson College
April 22, 1848
Active Chapters—70

Pi Iota Chapter
Founded
November 21, 1891
Total Membership—25,157

Pi Iota Chapter of Phi Gamma Delta, oldest of Tech fraternities, founded its local chapter in the fall of 1891. A year previous to that a student who had transferred to Tech, which was then a small college, together with several of his chums decided to band together in a club. As fraternities were just coming into popularity, a petition was submitted to Phi Gamma Delta, and the society was admitted in November, 1891. After several experiments in location, the active chapter then purchased the property at 99 Salisbury Street from Stephen Salisbury, and built the present house there in 1899. Due to the fact that it was the first fraternity at Tech, the college co-operated with the organization, and the opening of the chapter house was one of the social events on the Hill.

ACTIVE MEMBERS

Faculty—Assistant Professor W. L. Phinney, Professor L. L. Atwood, Almon T. Townsend.

Graduate student—Ralph T. Maynard.

Seniors—Robert Bumstead, Robert Norman Clark, William F. Drake, William H. Hinchcliffe, Thomas A. Hyde, Jr., Leighton Jackson, Harvey F. Lorenzen, Wright H. Manvel, Alfred G. Parker, Edmund A. Perry, John C. Spence, Paul E. Johnson.

Juniors—Richard D. Barnard, G. Standish Beebe, Paul W. Booth, Gordon S. Cruickshank, Paul Stirewalt Grierson, Jr., Preston H. Hadley, C. Merritt Lane, Robert B. Logan, Everett F. Sellew, Walter H. Steenstra, George A. Stevens.

Sophomores—C. Marshall Dann, Richard E. Duvall, James K. Healey, Osmond L. Kinney, Roger H. Lawton, Harold A. LeDuc, A. Nelson Parry, Paul R. Shepler, Raymond F. Starrett, Frederick W. Swan.

ASSEMBLY

Continued from Page 1 Col. 1)

speaker. In his introduction Prof. Howe read a vivid description of the battlefield in the Argonne region, telling of the complete devastation and ruin which had resulted from over three years of continuous fighting. The headquarters of the Crown Prince of Bavaria were also described. It consisted of a practically shell-proof dug-out made of reinforced concrete several feet in thickness. The interior contained many modern improvements, so that the prince lived in comparative safety and comfort. This was quite the exception, however, for the lower officers and the great mass of fighting men lived a life of perpetual danger and discomfort. Major Schilling's lecture had to do with a certain group of these men, namely the group which at the time of the beginning of the war were students in colleges, and left their studies to take up arms for their mother country.

Major Schilling said that for many years he had been seeking for a satisfactory answer to the question "Why did we have the World War?" Although he had read numerous books on the subjects, written in several languages, and thus giving many varied points of view, he has been unable to answer the question satisfactorily. As armies are made up of individuals, Major Schilling has studied with great detail the character and emotions of the individual men who took part in the war. He recalled his own student days at the University of Berlin, and remembered that at that time he, too, was filled with the effervescing spirit of youth, with its idealistic ideas. He has found that the "heart speaks louder than the intellect," and that this is probably one of the prime reasons why countries so often choose to settle their disputes by war than by clear logical reasoning at conferences.

In referring to books on the subject, he mentioned "All Quiet on the Western Front" as one of the most outstanding. It gives us, however, as do nearly all such books, the post war reflections of the author, and it therefore does not give us an exact interpretation of the emotions experienced during the actual period of combat. He mentioned one book, entitled "German Students' War Letters," which does give us a picture of the thoughts of the participants as they watched the enacting of a great tragedy. Some 20,000 letters, written by college boys who had gone off to the war, and had lost their lives in it, were collected by their respective alma maters. From this 20,000 a few hundred of the best were selected and put into book form. Major Schilling then read abstracts from these letters to the assembly. Some of the essential characteristics were the development of an idealistic sense of duty and devotion to the fatherland. Several writers expressed the thought that they would rather die believing that they were fighting for a just cause which would make humanity better than to live and see victory in the end bring only increased power and prestige to their country. Major Schilling concluded his lecture by quoting a German war song dedicated to the sweethearts left behind. The assembly was brought to a close by the singing of "Alma Mater" and of "America." The W. P. I. Band played selections immediately before and after the exercises.

E. E. DEPT. NOTES

Professor Morgan wishes to inform those students desiring to use reference books of the Electrical Engineering Department that in order to take these books from the building they must reserve them. These books may only be kept out over night. This ruling is made to give those men who find it necessary to refer to the library during the day an opportunity of perusing all possible material.



THETA UPSILON OMEGA

Founded by
Amalgamation of Ten Chapters
May 2, 1924
Active Chapters—16

Beta Alpha Chapter
Founded May 2, 1924
Total Membership, June 1, 1929—1,567

Theta Upsilon Omega is the youngest national fraternity at Tech, as it did not become national until 1924 when ten local fraternities at different colleges in various parts of the country amalgamated to form the present Theta Upsilon Omega fraternity. Since then there have been six additional chapters in different parts of the country joined to the national organizations.

The Tech chapter, Beta Alpha, was founded as Delta Tau, February 17, 1906, by nine men, headed by W. T. Roberts, '08. Since then the fraternity has had three homes, until 1911 at 66 Park Avenue, at 143 Highland Street until 1919, when the present quarters at 30 Institute Road were purchased.

ACTIVE MEMBERS

Faculty—Professor Jerome W. Howe, Dr. Gleason H. MacCullough, Professor Arthur J. Knight, Professor Kenneth G. Merriam, Mr. Ellis R. Spaulding.

1933—Frank F. Dodge, Frank L. Eaton, Carl L. Johnson, Asher L. Joslin, George W. Nicoletti, Frederick M. Potter, Warren W. Tuthill, Jerry H. Vail, Arthur E. Smith (pledge).

1934—Warren R. Burns, Ernest M. Crowell (pledge), Herbert W. Daniels, Henry H. Franklin, Charles S. Frary, Herbert F. Gale, Curtis A. Hedler, Carl E. V. Rydman, Chester A. Spencer, Merton S. Williams.

1935—Walter A. Blau, Carl G. Bergstrom, Robert M. Cape (pledge), Willy M. Hebel (pledge), John B. Howes, Leonard G. Humphrey, Wallace L. Johnson, Evan C. Luce (pledge), J. Clifford Martinka, Richard P. Merriam.



SIGMA ALPHA EPSILON

Founded at
University of Alabama
March 9, 1856
Active Chapters—108

Mass. Delta Chapter
Founded
April 10, 1894
Total Membership—40,555

Sigma Alpha Epsilon Fraternity was founded on the ninth day of March, 1856, at the University of Alabama, in the old city of Tuscaloosa. Eight students who had become hard and fast friends were the founders of this brotherly society, which was destined to extend to the furthestmost limits of the country and eventually to become the largest Greek-letter fraternity in the world.

The Massachusetts Delta chapter of Sigma Alpha Epsilon is the second oldest of the Tech fraternities, having its origin in what was known as the Tech Co-operative Society which was founded in the fall of 1892. The society form of organization was adopted because there was faculty opposition to fraternities at that time, but in the spring of '93 application for a charter was made to the national S. A. E. fraternity and as a result, the new chapter was installed on March 10, 1894.

ACTIVE MEMBERS

1933—Wells F. Bausman, Harry F. Clarke, Umberto F. Corsini, J. Roy Driscoll, Robert E. Ferguson, Paul G. Guernsey, Harry T. Jensen, George E. Oman, Harvey Perrault, Gordon E. Signor, Gordon R. Whittum, Alexander C. Lendo.

1934—William J. Denning, Jr., Charles J. Egan, Robert H. Haughton, Lawrence R. Laroche, Nicholas R. Mango, John A. McMahon, Robert G. Munson, Paul J. Sullivan, Harold C. Tarbox, Gordon P. Whitcomb, Howard A. Whittum.

1935—Daniel W. Burns, Arthur W. Dunham, John J. O'Shea, George H. Perry; Pledges: William F. Butler, Robert M. Branch, William E. Grubert, Loren H. Pease, Donald H. Sleeper, David V. Smythe, Philip J. Sullivan, John J. Tasillo.

Faculty—Prof. Charles M. Allen, Prof. Percy R. Carpenter, Prof. Herbert F. Taylor, Mr. Russell V. Corsini, Mr. Clyde W. Hubbard, Mr. Lawrence M. Price, Mr. Warren R. Purcell.



ALPHA TAU OMEGA

Founded at
Virginia Military Institute
September 11, 1865
Active Chapters—91

Mass. Gamma Sigma Chapter
Founded
November 27, 1906
Total Membership—25,000

The Worcester Tech Chapter (Mass. Gamma Sigma) of Alpha Tau Omega had its beginnings in the form of a local fraternity known as the "Arm and Hammer." In the fall of 1903, Roger Del French, together with five other men, concluded that there was room for another fraternity at Tech.

A constitution was drawn up, and the name "Arm and Hammer" was adopted, the idea being taken from the Tech seal and the spirit which it indicated. For some months the existence was unknown, but the club had steadily grown, and when finally made known the group was very compact. The club acquired a house on West Street, when in 1906, it was installed into Alpha Tau Omega. The present chapter house on Institute Road was purchased in 1909, to which an addition and extensive interior changes were added in the fall of 1929.

ACTIVE MEMBERS

Faculty—Professor Morgan, Professor Fairfield, Professor Newell.

1933—William Anderson, G. C. Cummings, Jr., J. C. L. Shabesh, Jr., J. R. Tinker, E. C. Ostlund, W. C. Saltmarsh, R. C. Peterson, I. J. Gartrell, E. M. Holt, H. E. Hosmer, J. J. Molloy, Jr., F. F. Whitford.

1934—H. E. Osborne, W. Berrell, P. G. Cheatham, Jr., F. J. Crowley, E. W. Maddoch, C. E. Parta, A. E. Pihl, W. R. Powell, P. C. Sherburne.

1935—R. C. Flagg, P. G. Foster, D. C. Holt, G. C. Lincoln, D. McLeod, K. L. Moran, J. R. Sigda, H. R. Smart, L. V. Olson, J. E. Tholl, T. F. McNulty; Pledges, 1935: R. O. Swenson, Homer R. Morrison.



THETA CHI HOUSE

Founded at
Norwich University
April 10, 1856
Active Chapters—48

Epsilon Chapter
Founded
March 20, 1909
Total Membership—10,101

On October 12, 1905, nine undergraduate members of the Worcester Polytechnic Institute formed a society which they called Pi Omega Pi. This fraternity began as an athletic society and one of the restrictions for membership was that a candidate must have received a varsity letter in one of the recognized sports at Tech. As this restriction was later found too severe the aims were broadened to include "primarily to foster clean athletics at Worcester Polytechnic Institute."

Pi Omega Pi petitioned Theta Chi Fraternity in 1909 and was accepted, the installation taking place on March 20, 1909. The first home of Epsilon chapter was at 1 Lancaster Terrace. Here the chapter lived and held meetings until 1917 when the large duplex house at the corner of Dean and Salisbury Streets was taken over.

ACTIVE MEMBERS

1933—Ethan D. Bassett, Robert W. Blake, Albert H. Ensor, Carroll M. Johnson, John C. Keefe, Jr., Wesley B. Reed, Sumner B. Sweetser, Eugene J. Teir.

1934—Leonard B. Almy, Gordon E. Barnes, Albert O. Bell, Harold B. Bell, Albert H. Bellamy, Jr., Charles N. Bissell, William E. Burpee, Everett E. Fish, George Kalista, C. Bradford Newell, Thomas V. Ratkiewicz, Edmund F. Kothernich, James V. Rowley, Warren S. Snow, Arthur M. Wheeler.

1935—Clarence W. Anderson, Donald S. Clough, Allan F. Hardy, Jr., Francis L. Harrington, Theodore D. McKinley, Gordon S. Swift, Robert B. Taylor, Plummer Wiley; Pledges: Karl H. Bohaker, Richard S. Falvey.



PHI SIGMA KAPPA

Founded at
Mass. Agricultural College
March 15, 1873
Active Chapters—50

Epsilon Deuteron Chapter
Founded
June 3, 1915
Total Membership—9,193

In 1902, eight men of the Institute banded themselves together into the local Fraternity of Theta Chi. Their ideals were high and their purpose serious. The name remained unchanged until 1909 when the national fraternity of Theta Chi came to the Institute. To avoid confusion, the name was changed to Kappa Xi Alpha. In 1912, the fraternity was incorporated as the Kappa Xi Fraternity and our alumni exist today as such. Finally it was decided to petition Phi Sigma Kappa for a charter, and on June 8, 1915, seventy-four members of the active chapter and alumni were inducted into Phi Sigma Kappa.

ACTIVE MEMBERS

1933—Edward K. Allen, Waldo E. Bass, Charles S. Brewer, Robert F. Bye, Michael C. Sodano, Thomas E. Decker, Kenneth E. Gleason, Gilbert U. Gustafson, Harold A. Hammer, Edwin L. Johnson, Richard T. Merrell, Leonard H. Peters, Russell D. Purrington, Ernest O. Ungerer, Ralph J. Voigt, Alton B. Wyman.

1934—William L. Edgeworth, Richard L. Goodwin, Julius L. Gould, Theodore F. Hammett, John S. Hancock, George F. Hodgkinson, Charles W. McElroy, Sumner A. Norton, Robert L. Richmond.

1935—Davey Force, Joseph A. Johnson, Herbert V. Leckie, William E. McKay, Roland L. Nims, Charles C. Puffer, Eric W. Soderberg, Everett A. Weiss, William E. Wyman; Pledges: George V. Sargent, 1934, Frank O. Holmes 1935.

Faculty—Professor A. Wilmer Duff, Professor Francis W. Roys, Mr. Donald G. Downing, Mr. Edward C. Milde.



LAMBDA CHI ALPHA

Founded at
Boston University
November 2, 1909
Active Chapters—83

Pi Zeta Chapter
Founded
June 15, 1913
Total Membership—14,000

Pi Zeta of Lambda Chi Alpha was started as a local fraternity, Zeta Sigma Tau, on December 5, 1912, by a group of Juniors in the Class of 1914. The new local fraternity decided to petition Lambda Chi Alpha and on June 5, 1913, was granted a charter. The influence of the national fraternity began at once to manifest itself on the new chapter and its development was steady and permanent. The first chapter house was located on Fruit Street but in 1916 the present house on 30 Trowbridge Road was purchased and has been occupied by the chapter since that time.

ACTIVE MEMBERS

1933—A. B. Belcher, A. L. Brownlee, W. J. Cullen, A. H. Dixon, A. H. Fuller, D. W. Haskins, G. W. Lyman, W. T. Payne, H. E. Perkins, Jr., F. B. Roberts, C. L. Smith, W. A. Slagle, Jr.

1934—B. H. Colby, R. W. Fulton, B. G. Larson, F. R. McLaren, W. E. Mesh, J. H. Ray, E. L. Smith, H. E. Stockwell, L. J. Volley.

1935—R. R. Clarke, T. T. Clarke, T. M. Cole, P. S. Dean, O. P. Lee, D. G. MacMillan, R. A. Waddell, D. L. Watkins, K. C. Smith, R. L. Stone.

Pledges—'33—D. W. Putnam, '34—R. P. Hook, '35—L. F. Granger, H. E. Nordlund, V. R. Olson, W. C. Potter, H. W. White.

Faculty—Dr. R. K. Morley, Professor C. D. Knight, Professor H. A. Maxfield, W. W. Locke, Jr., C. L. Wright.

FROSH-SOPH FOOTBALL

(Continued from Page 1, Col. 5)

team could break through except for short gains.

In the last quarter the Freshmen completed two lateral passes that were good for two first downs and Gould made twelve yards on an end run that started from kick formation, but here the Sophomore line held and after a Freshman fumble the Sophomores advanced the ball to the Freshman twenty-five yard line where the game ended.

The game proved to be a very clean game with respect to the rules but otherwise it was so dirty that it was hard to distinguish one player from another. Captain McNulty of the Sophomores and Bob Gould of the Freshmen each played a fine game. Roy Swenson, Sophomore quarterback also played a hard game, while Brewer, Freshman center, was in there for nearly every play. As a result of the tie both classes will be credited with one point apiece towards the coveted Goat's Head trophy.

SOPHOMORES

Starrett re
Cantor lt
Stone lg
Moran c
Lawton rg
Cruickshank rt
McNulty le
Swenson qb
Beaulieu hb

FRESHMEN

re Titley
rt Fowler
rg Healy
c Brewer
lg Nanartoris
lt Chase
le Marshall
qb Gould
hb Caparelli

(Continued on Col. 5)

(Continued from Col. 3)

Donahue hb
Booth fb
Substitutions: Sophomore, Smith, Sigda, Force, Clark, O'Brien.
Freshman: Atwood, McGrath, Huntley, Nigro, Gowdy, Bruce, Benoit, Montville.
Officials: Wilkinson, referee; Gartrell, umpire; Asp, linesman.

Lorraine Restaurant

269 Main Street

Next Door to Plymouth Theater

BLUE PLATE SPECIALS 35c to 50c
TABLE AND COUNTER SERVICE

Eat with the rest of the gang

EXCELLENT FOOD AT REASONABLE RATES

TECH STATIONERY

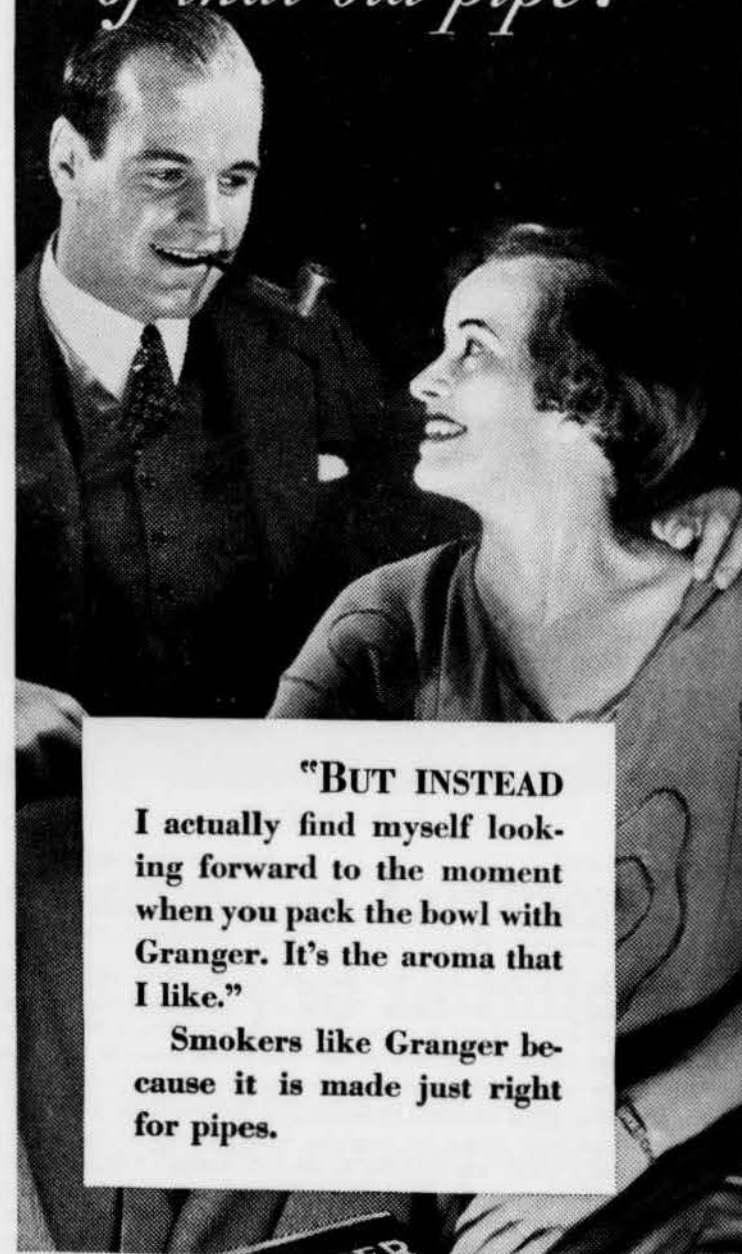
New Seal: 68c Box

Special discount to Tech students on
Drawing Materials and Stationery

LUNDBORG & CO.

286 MAIN STREET

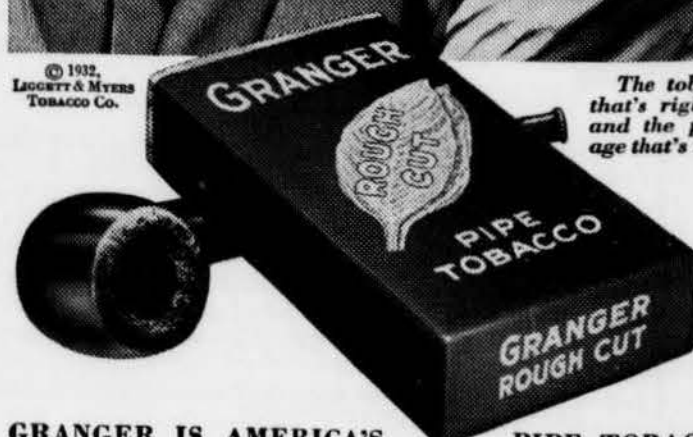
"I ought to be jealous
of that old pipe!"



"BUT INSTEAD
I actually find myself looking forward to the moment when you pack the bowl with Granger. It's the aroma that I like."

Smokers like Granger because it is made just right for pipes.

© 1932,
LACKEY & MYERS
TOBACCO CO.



The tobacco
that's right —
and the pack-
age that's right

GRANGER IS AMERICA'S

PIPE TOBACCO